

GLOBAL AND REGIONAL CASES

HIGHLIGHTS

- From April 2012 till April 2023, a total of 2604 laboratory-confirmed cases of Middle East respiratory syndrome (MERS) were reported globally, with 936 associated deaths at a case-fatality ratio (CFR) of 36%. The majority of these cases were reported from Saudi Arabia, with 2196 cases and 855 related deaths (CFR: 39%).
- During the month of April 2023, no new cases were reported.
- The demographic and epidemiological characteristics of reported cases do not show any significant differences when compared with the same corresponding period between 2016 and 2023.
- Among primary cases, 50–59 year-olds are at the highest risk for acquiring infection and among secondary cases the 30–39 year-olds are at the highest risk. Among both primary and secondary cases, CFR is higher within the age group of 70–79 year-olds.

*Disclaimer: Data are subject to change over time due to lag in reporting.

SUMMARY



Table 1. Number of MERS cases in the Eastern Mediterranean Region by month and outcome in 2023

2023	Survived	Died
January	0	1
February	0	0
March	0	0
April	0	0
Total	0	1

Table 2. Epidemiological characteristics of MERS cases reported globally between November 2017 – April 2018 and November 2022 – April 2023

Characteristic	Nov 17 - April 18	Nov 18 - April 19	Nov 19 - April 20	Nov 20 - April 21	Nov 21 - April 22	Nov 22 - April 23
Number	145	139	81	13	6	4
Median age in years	49	50	54	53	67	72
Gender (% male)	66	77	79	77	100	100
% of Primary Cases	55	49	79	85	100	75
% of Secondary cases	45	51	21	15	0	0
(%) of Unknown Contact History	0	0	0	0	0	25
% of HCW	26	15	9	17	0	0
% Fatal	26	24	27	46	50	25

Fig. 1. Distribution of MERS reported cases from Eastern Mediterranean Region by week of onset, June 2012 – April 2023

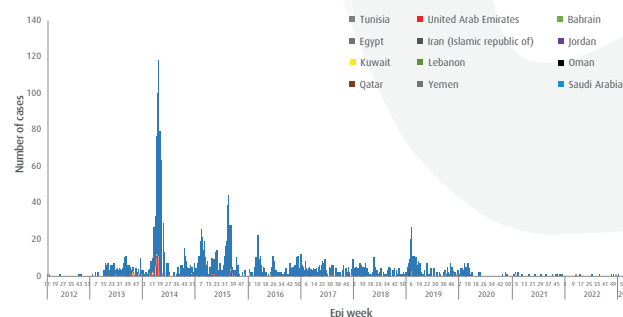
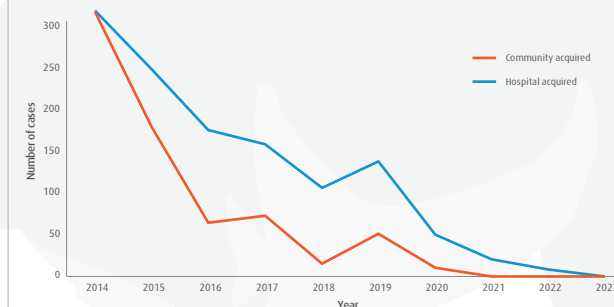


Fig. 2. Community versus hospital acquired MERS cases in Eastern Mediterranean Region, January 2014 – April 2023



KSA CASES

Fig. 3. MERS cases per week of onset in Saudi Arabia, June 2012 – April 2023

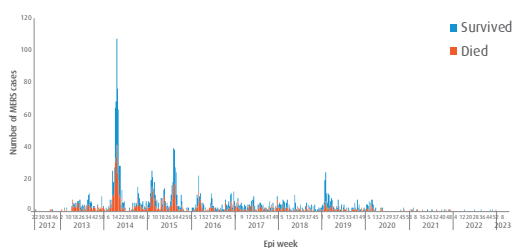


Fig. 4. Cases of MERS in healthcare workers reported from Saudi Arabia, January 2013 – April 2023

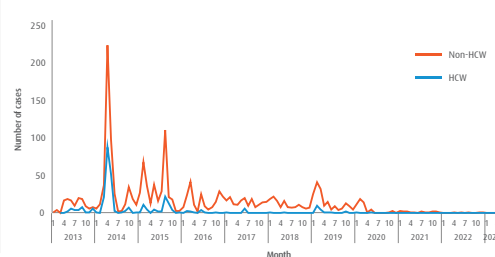


Fig. 5. Age and fatality distribution of primary and secondary cases of MERS reported from Saudi Arabia June 2012 – April 2023

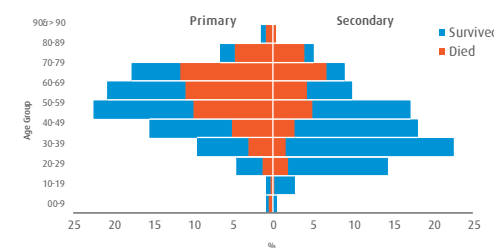


Table 3. Characteristics of MERS cases reported from Saudi Arabia, June 2012 - April 2023

Type of case	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Grand Total
Primary	4	71	292	234	163	148	102	128	49	18	5	1	1215
Secondary	1	91	371	219	85	88	39	77	10	0	0	0	981
Grand Total	5	162	663	453	248	236	141	205	59	18	5	1	2196